

Days after onset of disease

FIGURE 1

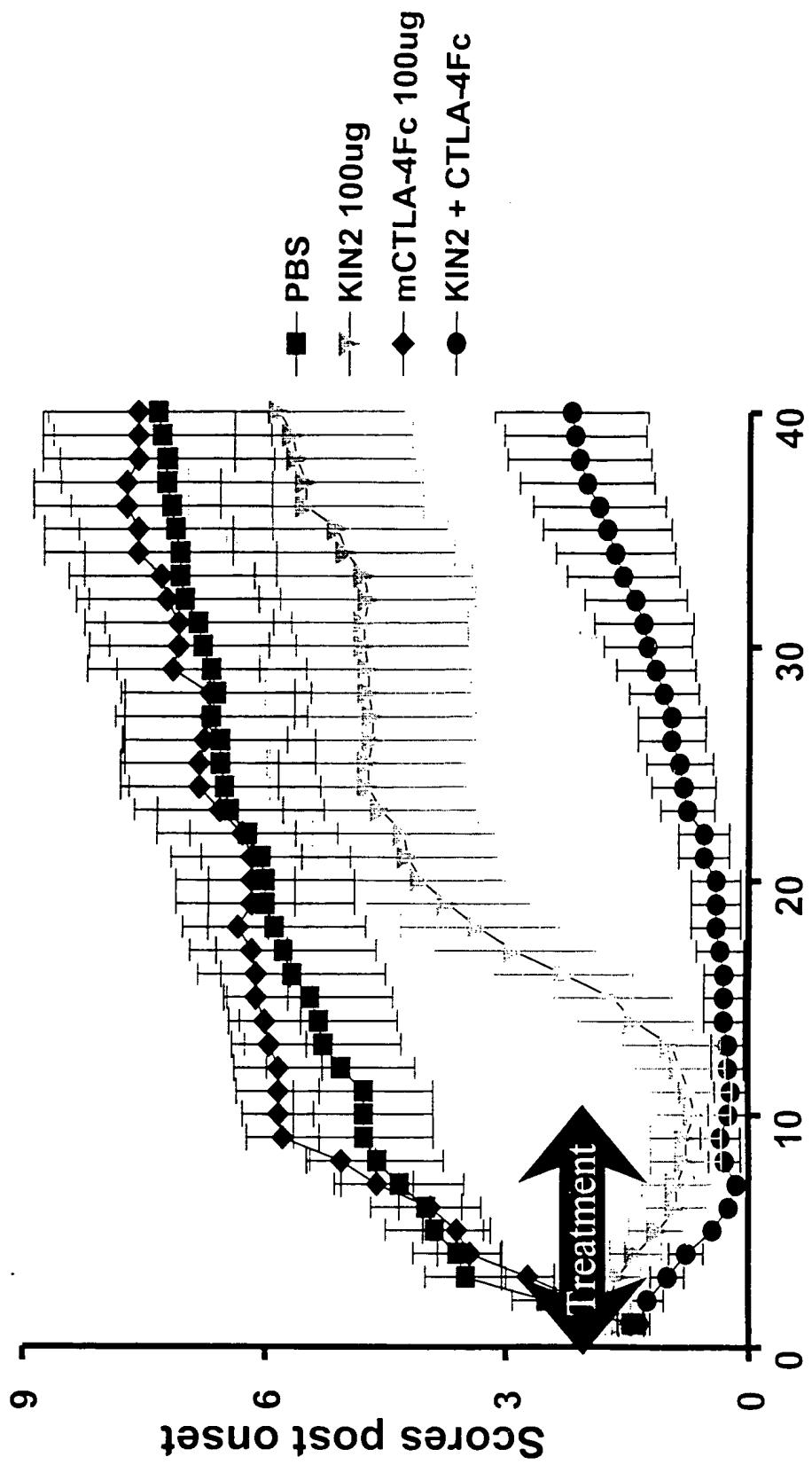


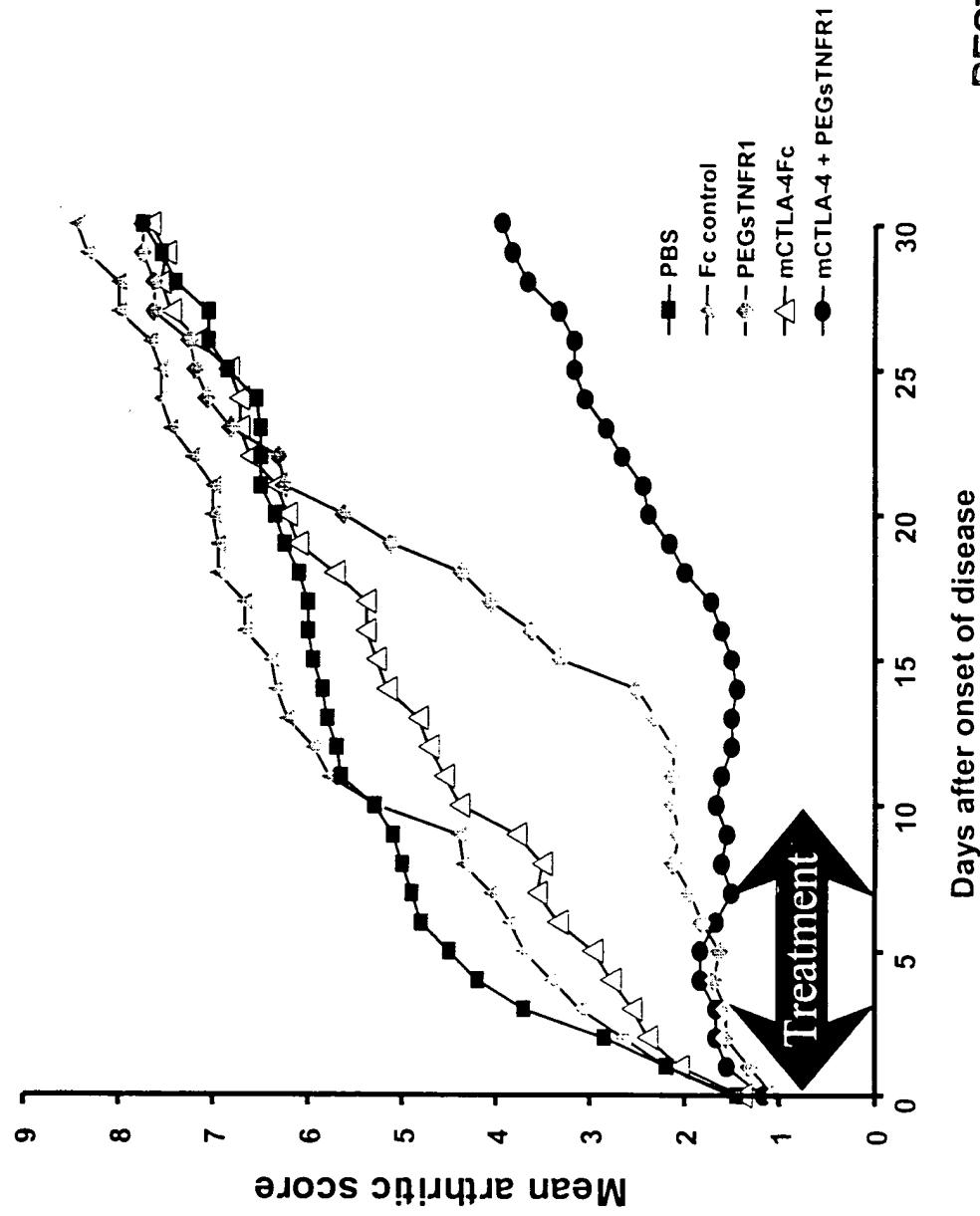
FIGURE 2

FIGURE 3A

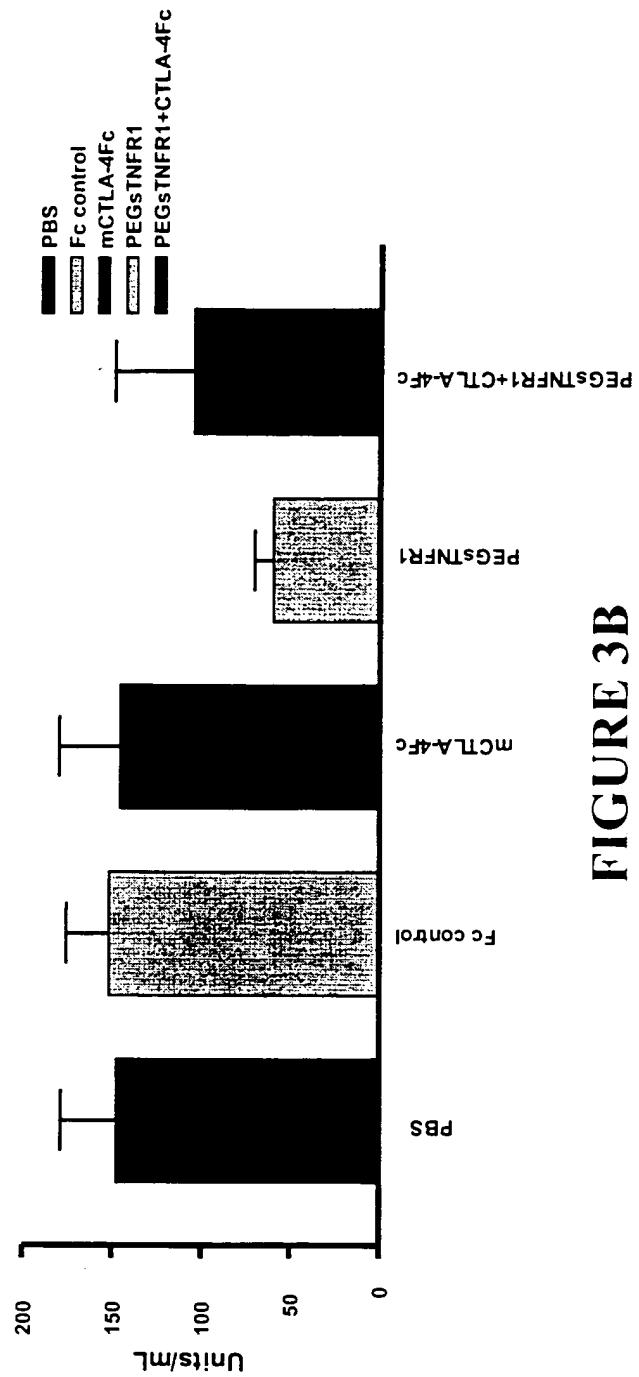


FIGURE 3B

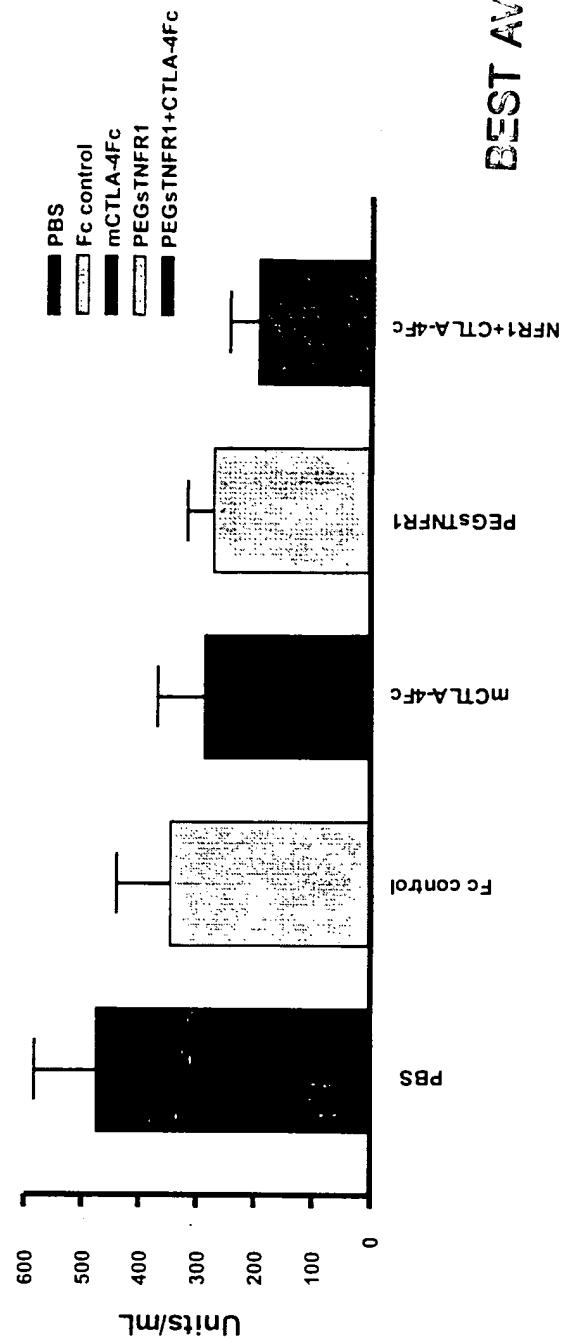


FIGURE 4

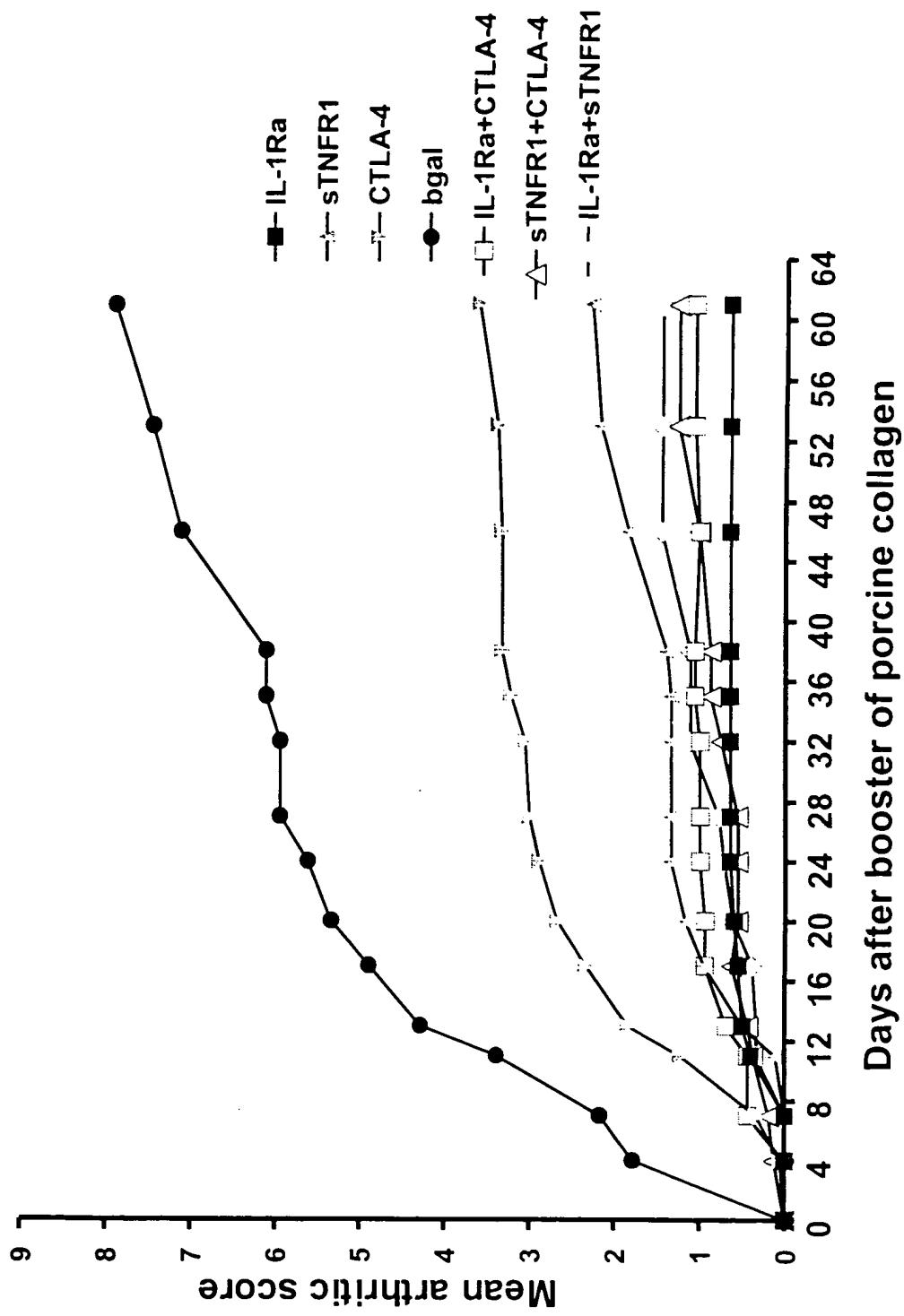


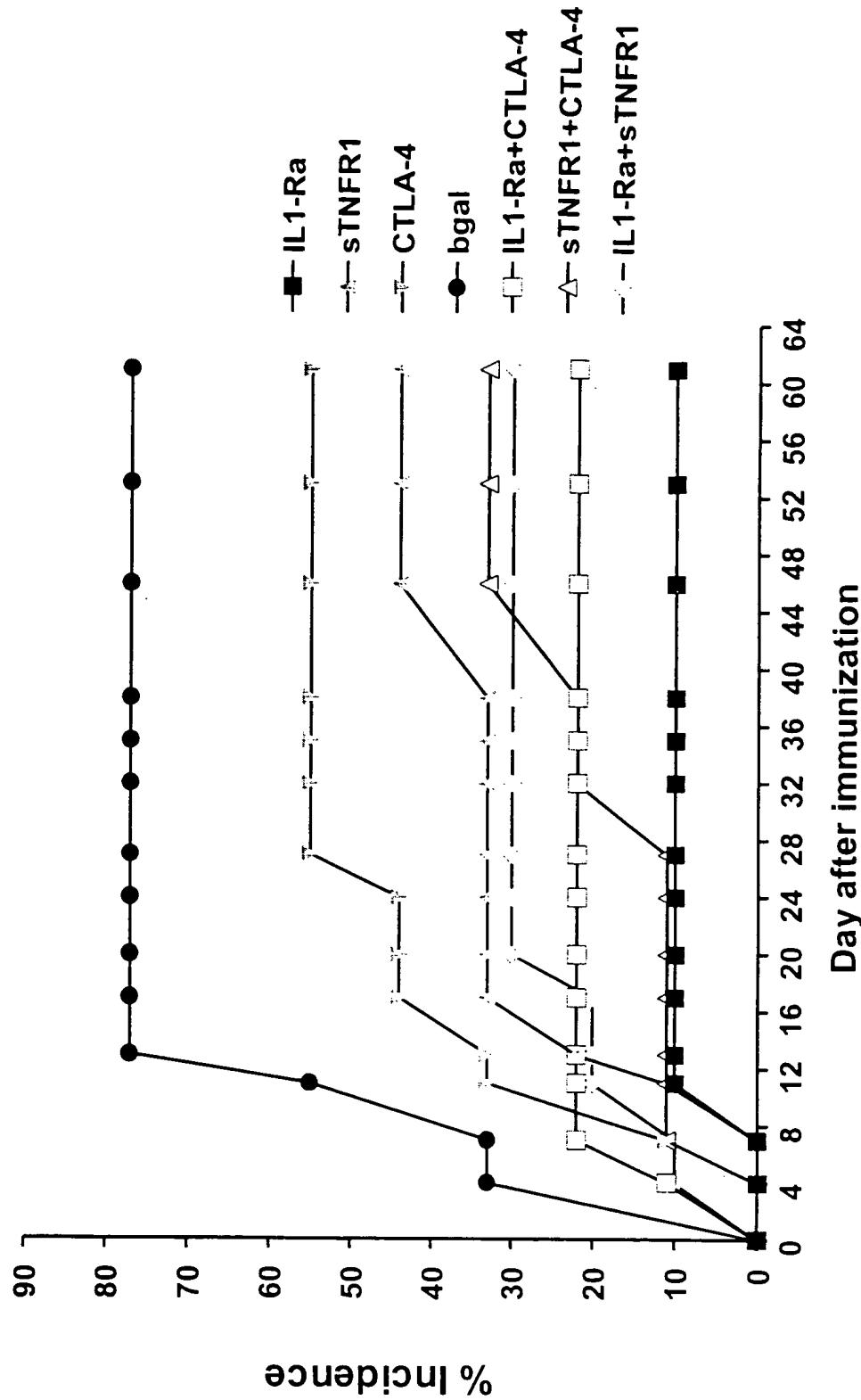
FIGURE 5

FIGURE 6

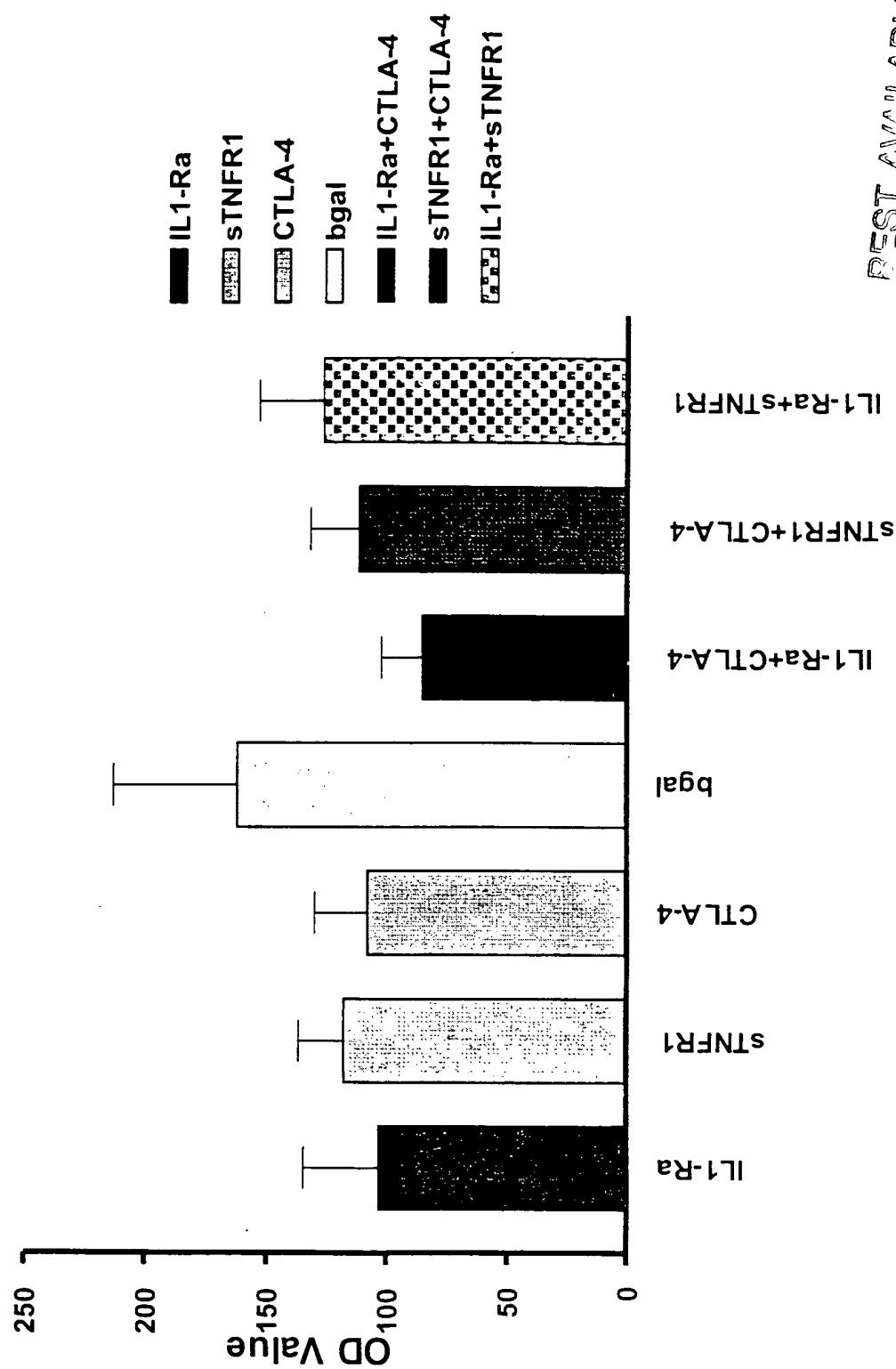


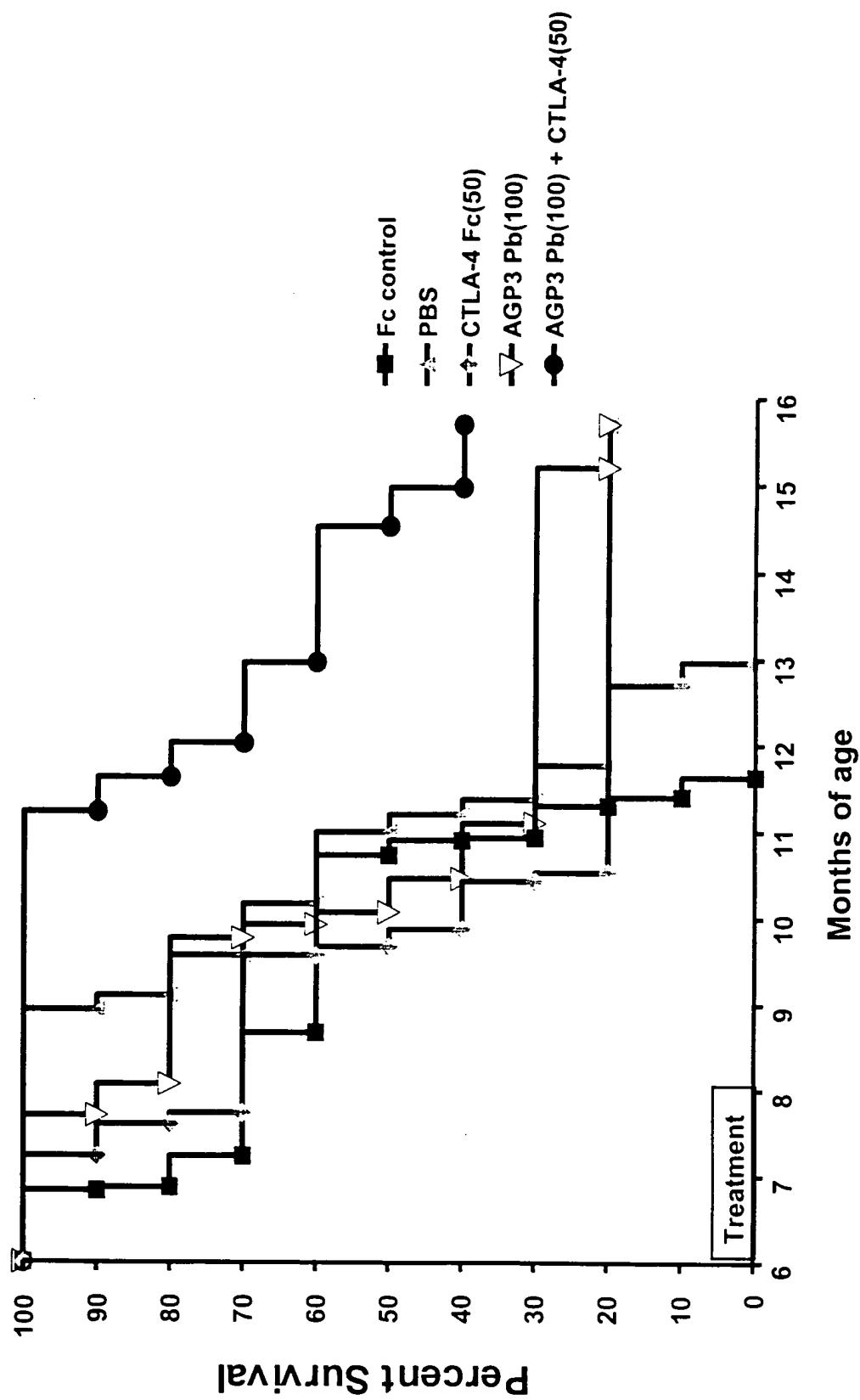
FIGURE 7

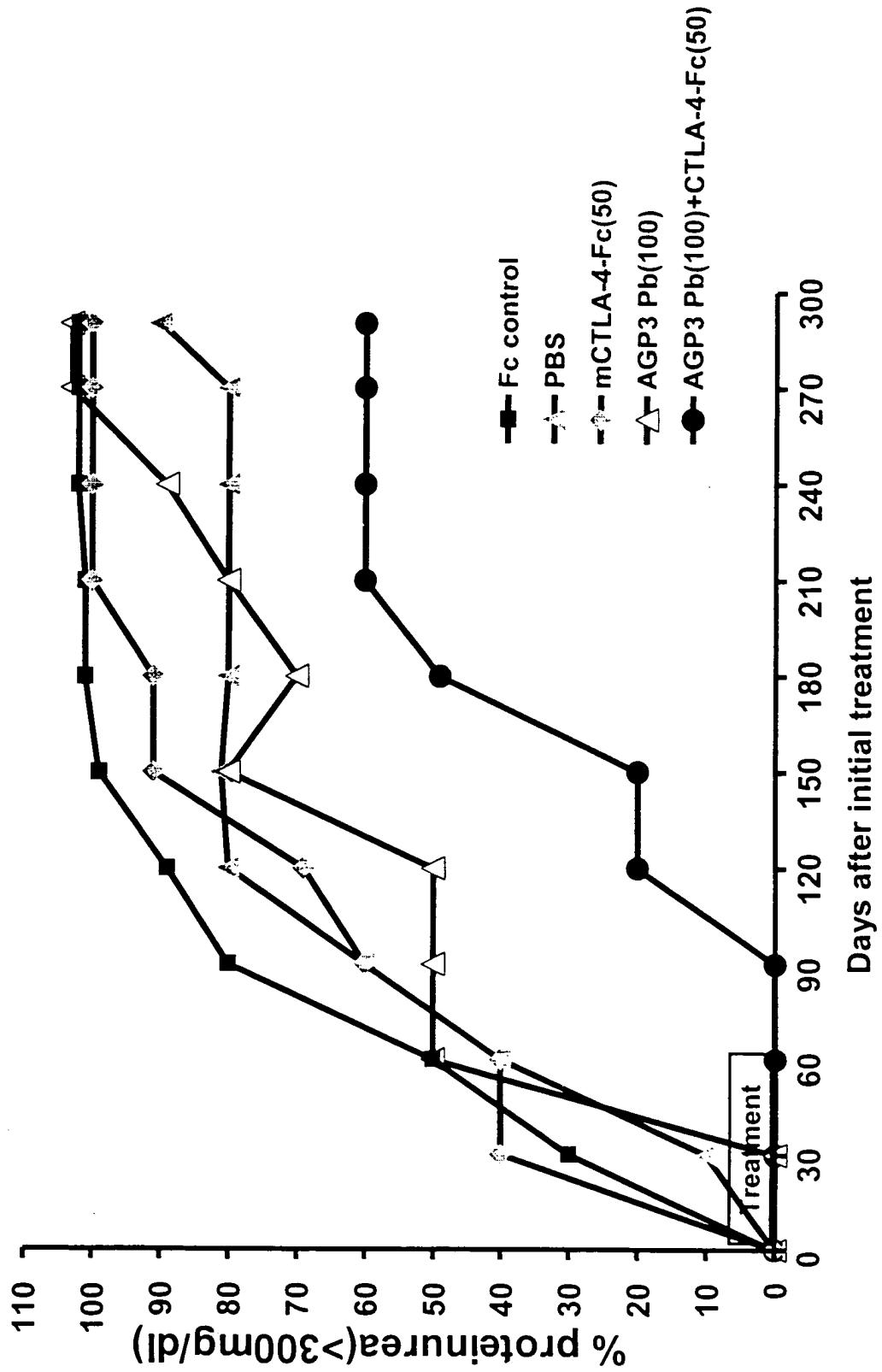
FIGURE 8

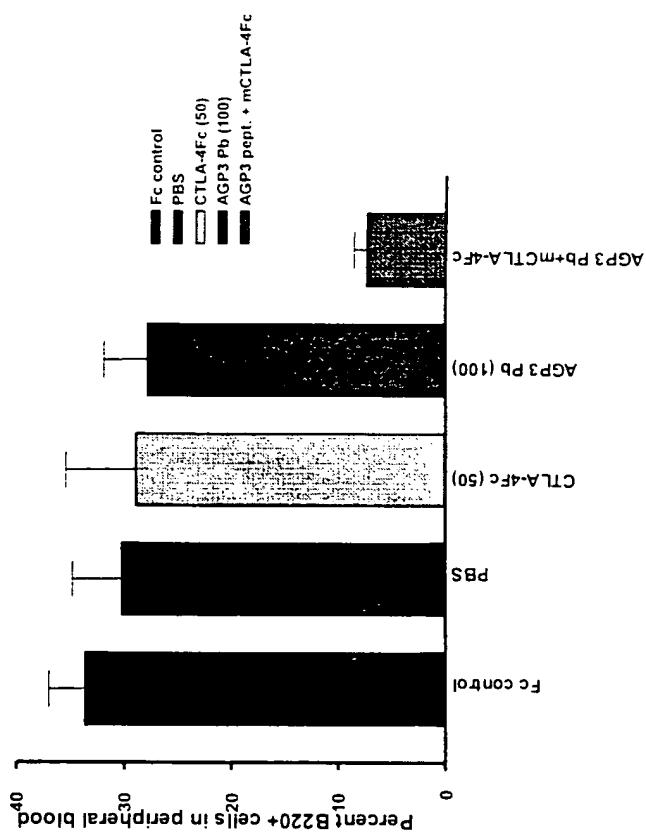
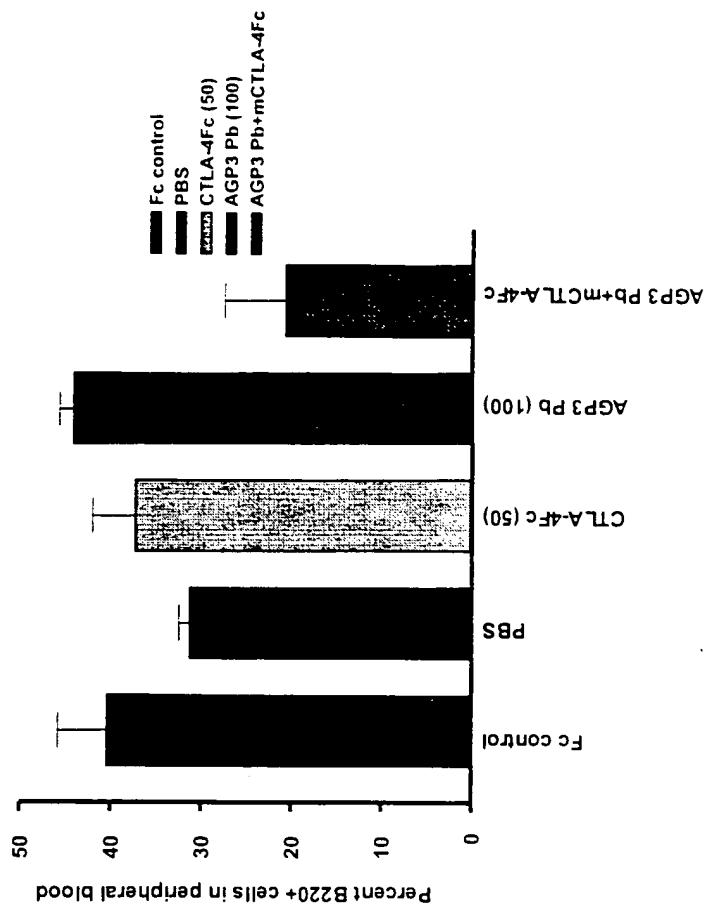
FIGURE 9A**FIGURE 9B**

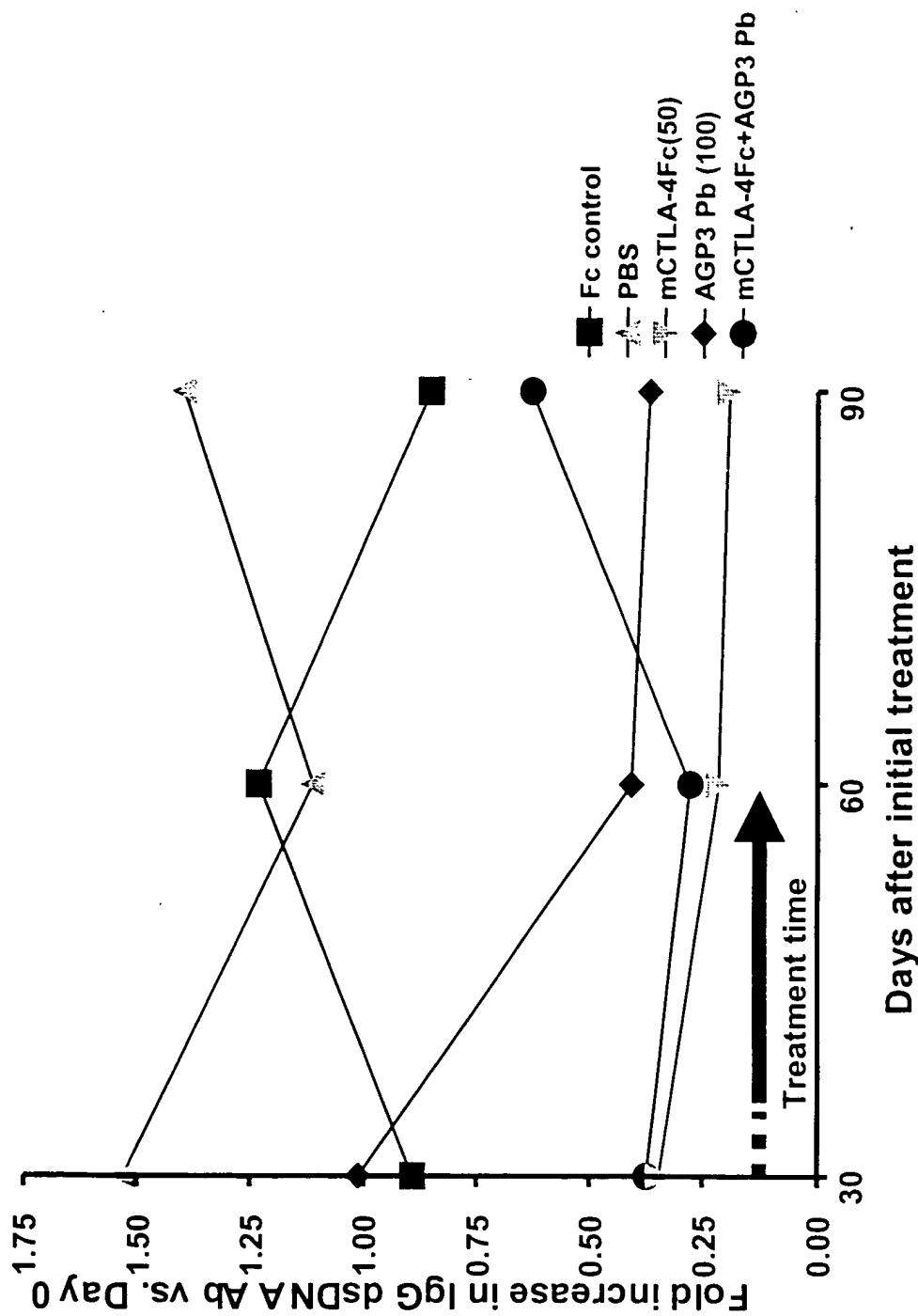
FIGURE 10

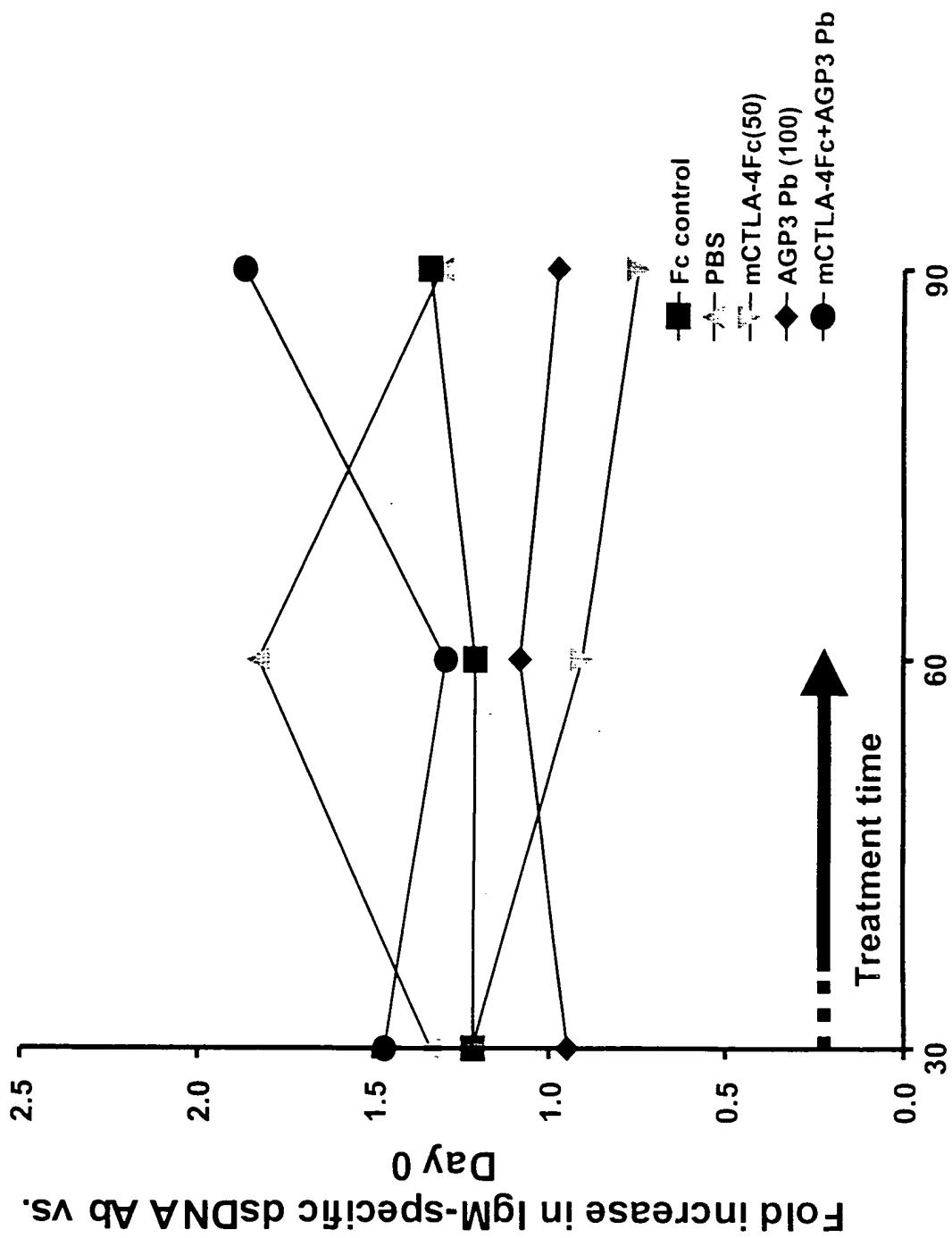
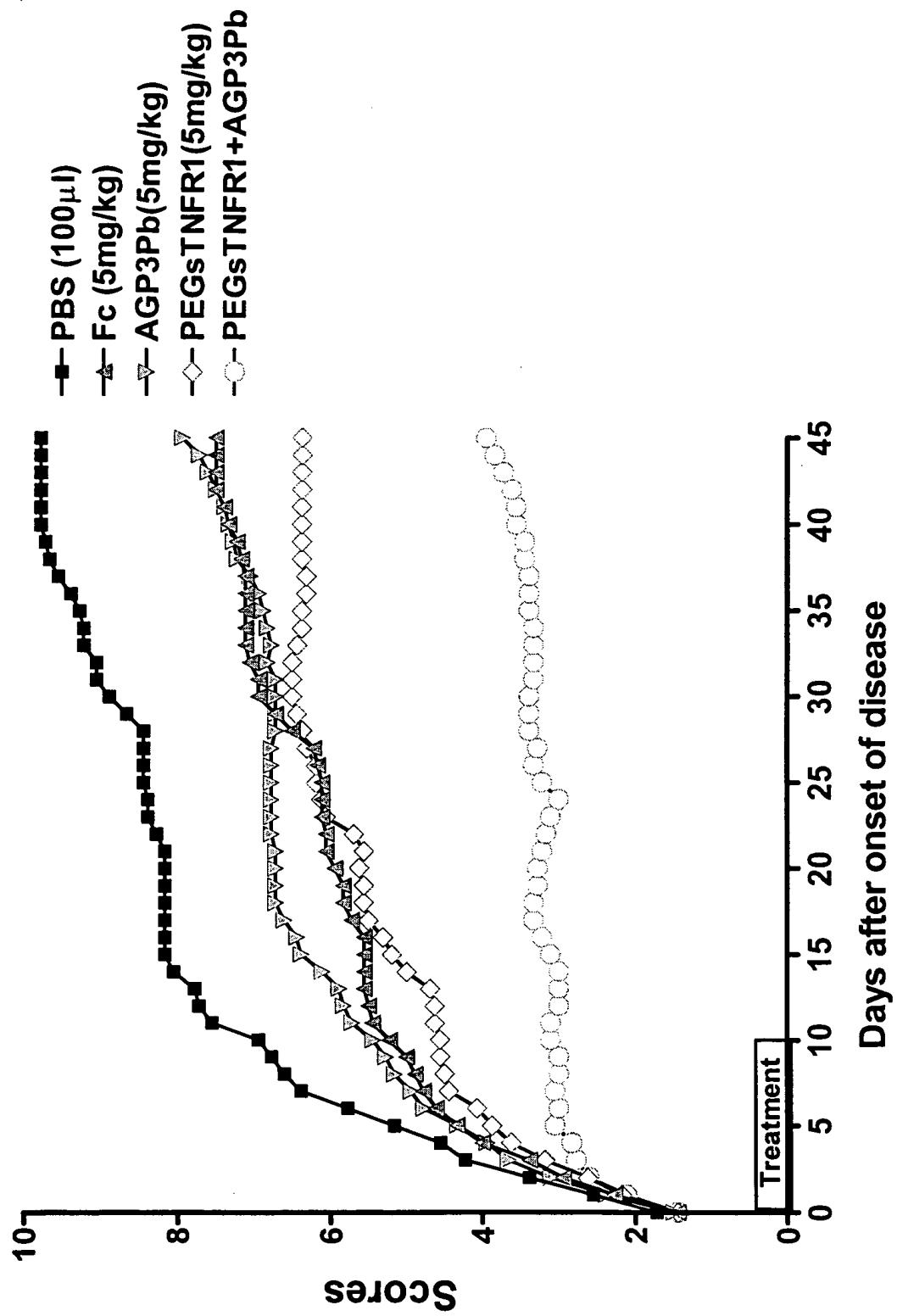
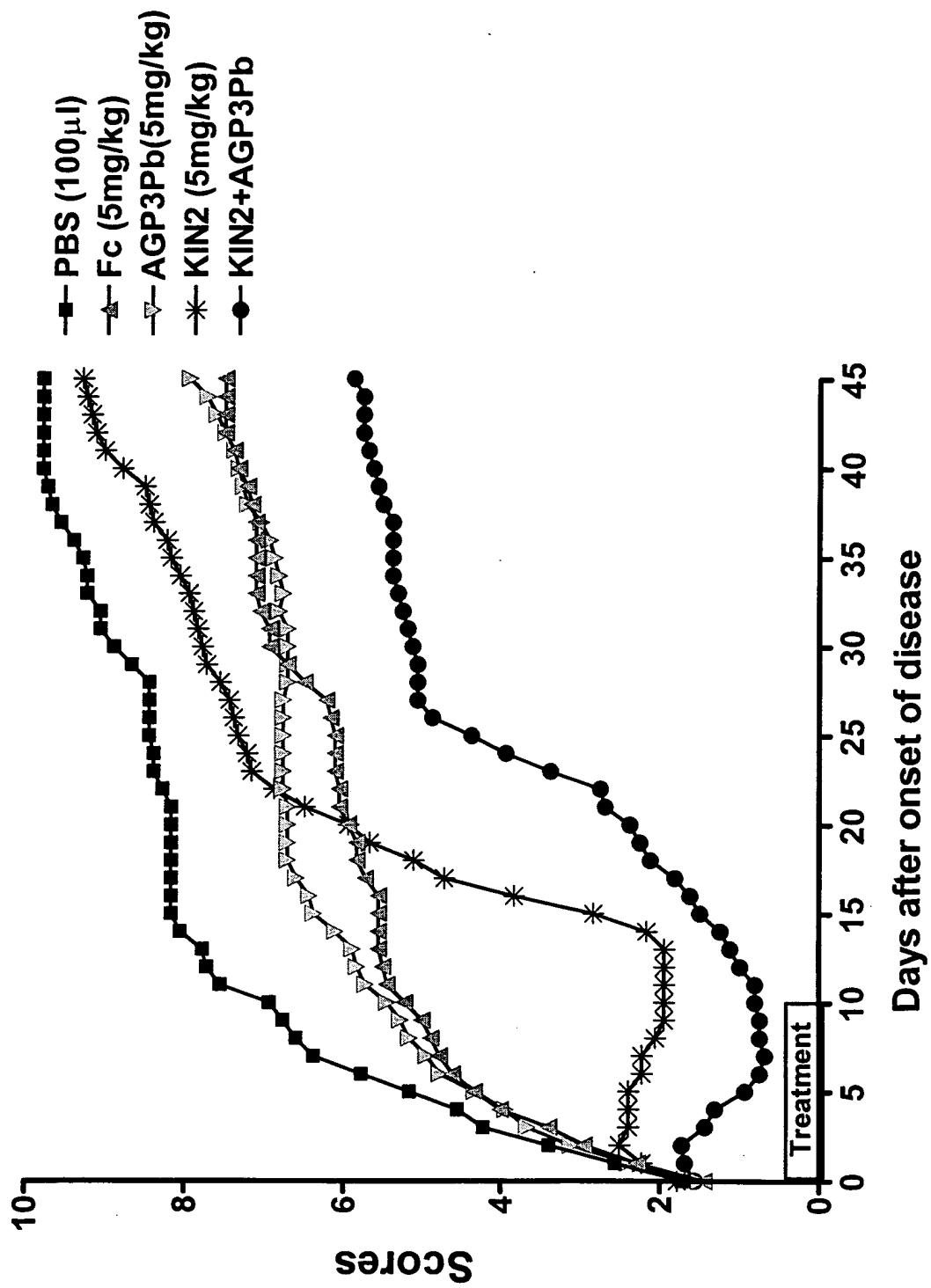
FIGURE 11

FIGURE 12



BEST FITTING LINE ONLY

FIGURE 13



DO NOT REMOVE FROM COPY

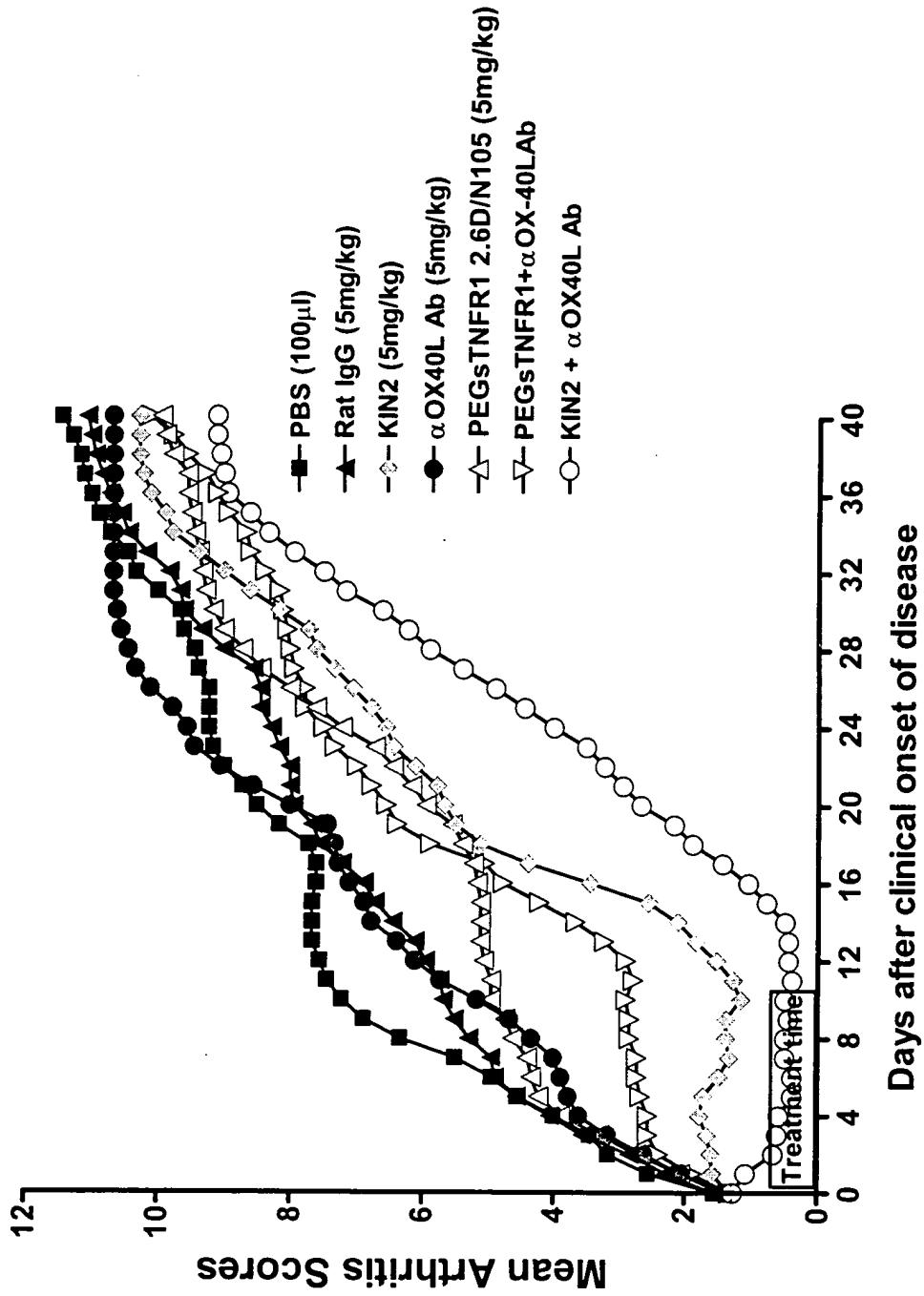
FIGURE 14

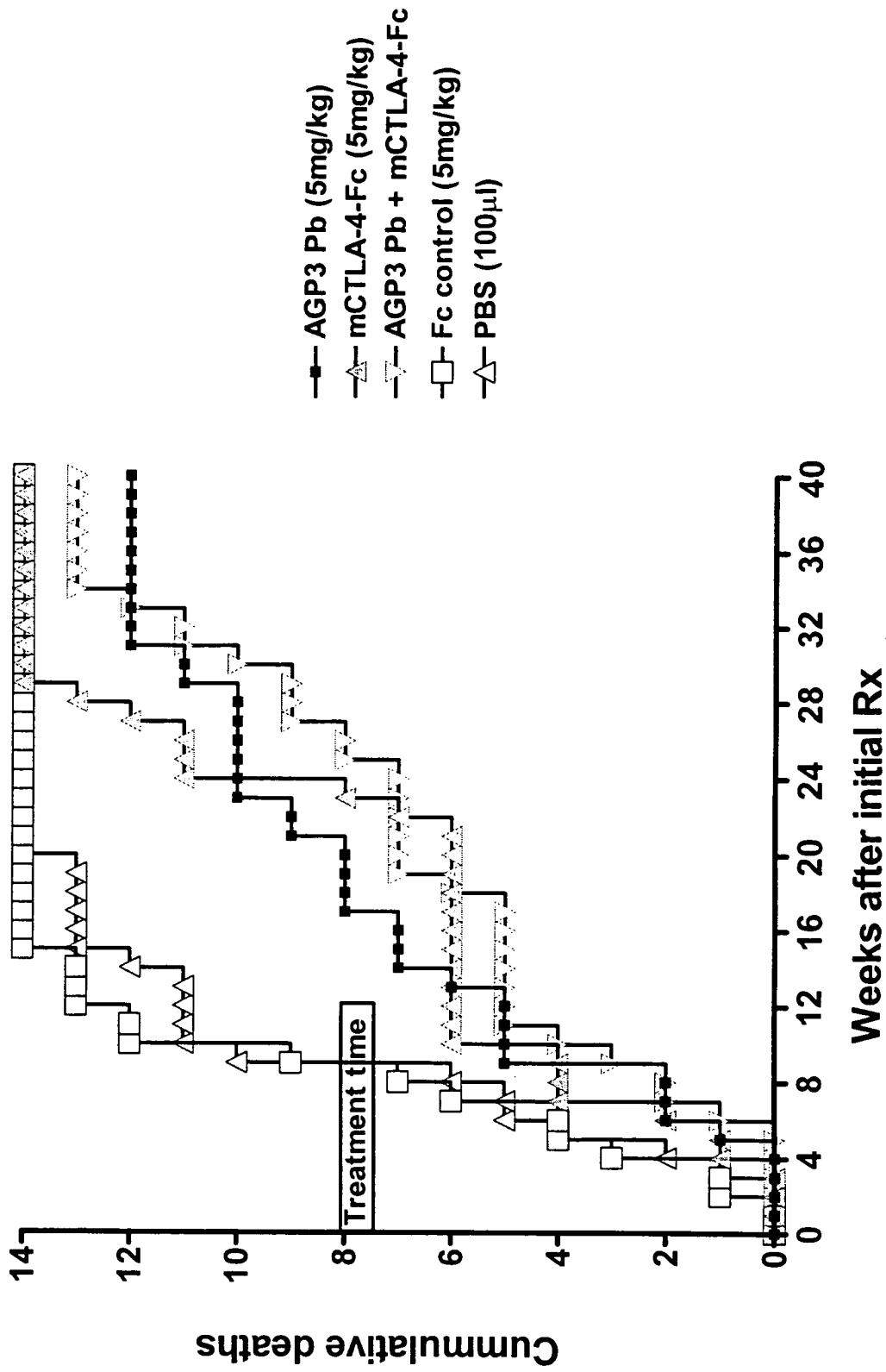
FIGURE 15

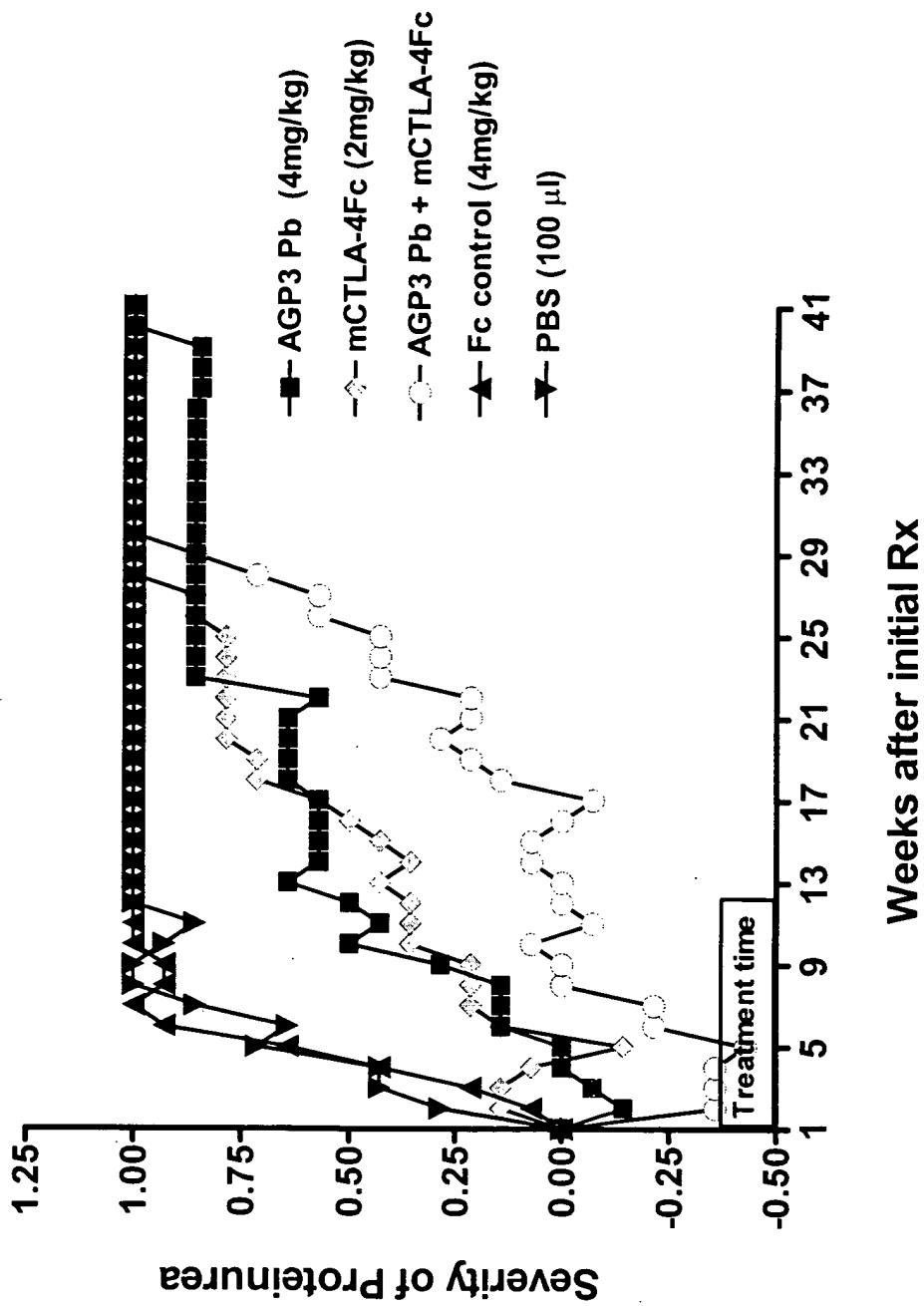
FIGURE 16

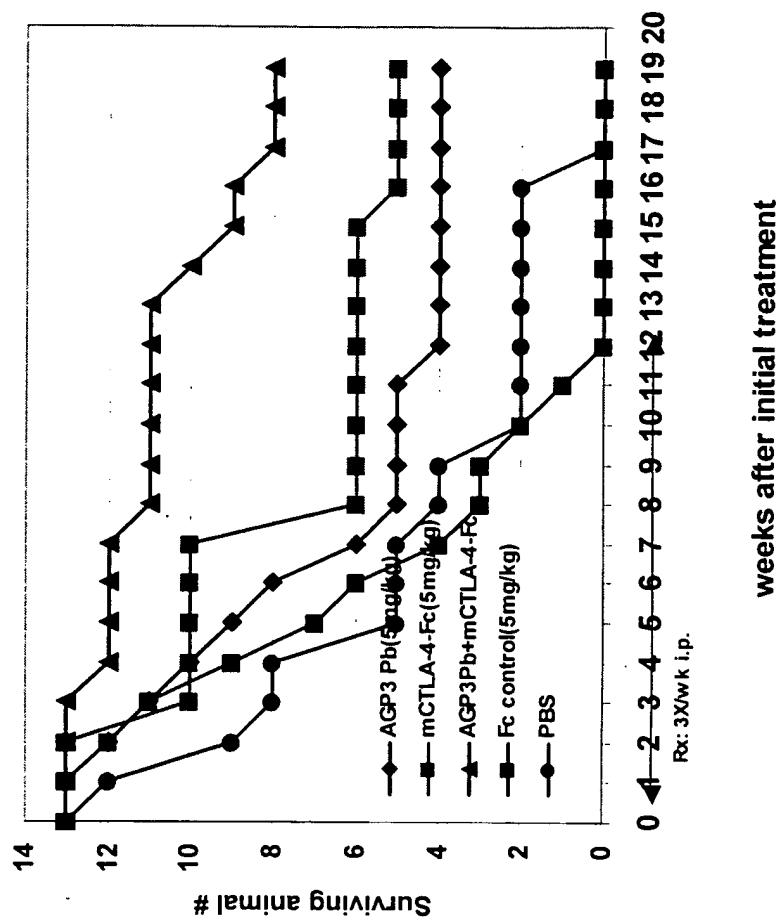
FIGURE 17

FIGURE 18

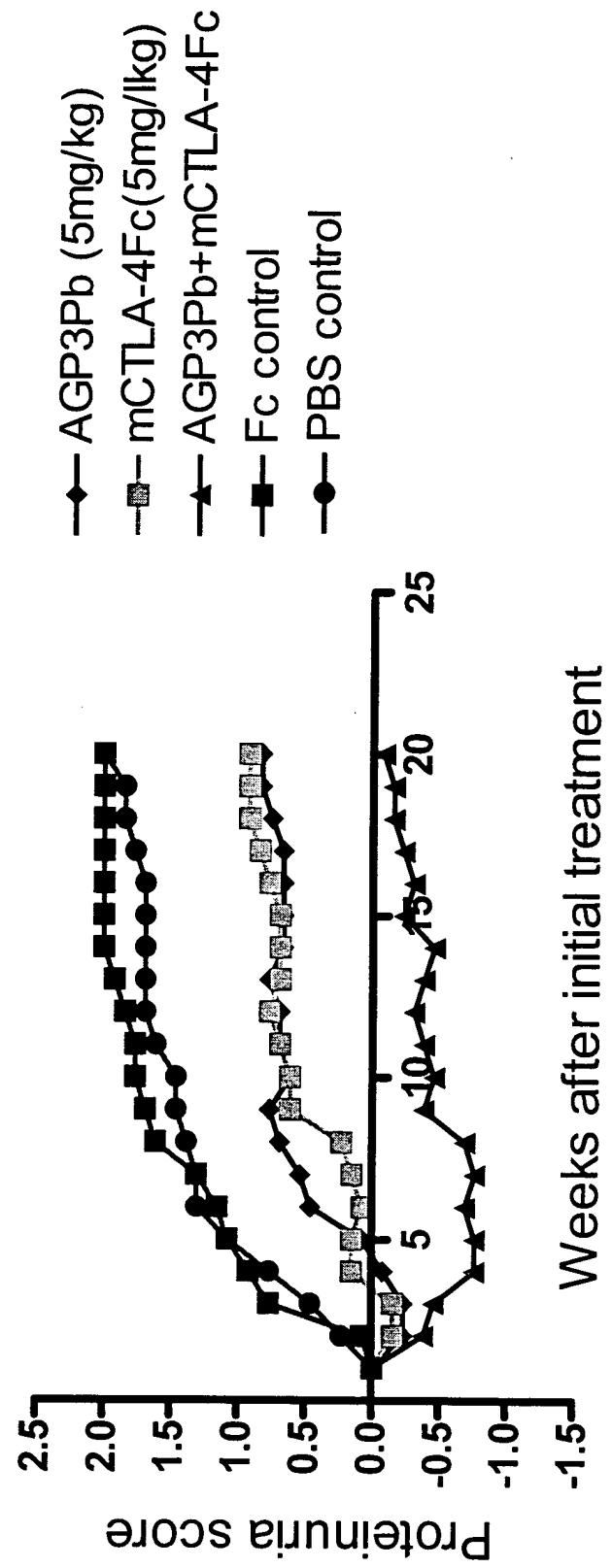


Figure 19
AGP-3 Peptibody Sequence

MLPGCKWDLL IKQWVCDPLG SGSATGGSGS TASSGSGSAT HMLPGCKWDL
LIKQWVCDPL GGGGGVDKTH TCPPCPAPEL LGGPSVFLFP PKPKDTLMIS
RTPEVTCVVV DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS
VLTVLHQDWL NGKEYKCKVS NKALPAPIEK TISKAKGQPR EPQVYTLPPS
RDELTKNQVS LTCLVKGFYP SDIAVEWESN GQPENNYKTT PPVLDSDGSF
FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSLS PGK (SEQ ID NO. 1)

BEST AMERICAN
COLLEGE

Figure 20
CTLA4 amino acid sequence

MHVAQPAVV LASSRGIAASF VCEYASPGKA TEVRVTVLRQ ADSQVTEVCA
ATYMMGNELT FLDDSICTGT SSGNQVNLTI QGLRAMDTGL YICKVELMYP
PPYYLGIGNG TQIYVIDPEP CPDSDFLLWI LAAVSSGLFF YSFLLTAVSL
SKMLKKRSPL TTGVYVKMPP TEPECEKQFQ PYFIPIN (SEQ ID NO. 2)

FIGURE 21
KIN2 Sequence

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ATGCACCCTCCGGCCGTAAGAGCTCCAAAATGCAGGCTTCCGTATCTGGGACGTTAAC
1-----+-----+-----+-----+-----+-----+-----+-----+-----+ 60
M R P S G R K S S K M Q A F R I W D V N

CAGAAAACCTTCTACCTGCGCAACAACCAGCTGGTGCTGGCTACCTGCAGGGTCCGAAC
61-----+-----+-----+-----+-----+-----+-----+-----+-----+ 120
Q K T F Y L R N N Q L V A G Y L Q G P N

GTTAACCTGGAAGAAAAATCGACGTTGACCGATCGAACCGCACGCTCTGTTCCCTGGGT
121-----+-----+-----+-----+-----+-----+-----+-----+-----+ 180
V N L E E K I D V V P I E P H A L F L G

ATCCACGGTGGTAAAATGTGCCTGAGCTGCGTGAAATCTGGTGACGAAACTCGTCTGCAG
181-----+-----+-----+-----+-----+-----+-----+-----+-----+ 240
I H G G K M C L S C V K S G D E T R L Q

CTGGAAGCAGTTAACATCACTGACCTGAGCGAAAACCGAACAGGACAAACGTTTCGCA
241-----+-----+-----+-----+-----+-----+-----+-----+-----+ 300
L E A V N I T D L S E N R K Q D K R F A

TTCATCCGCTCTGACAGCGGCCGACCACCGCTTCGAATCTGCTGCTTGCCTGGGTTGG
301-----+-----+-----+-----+-----+-----+-----+-----+-----+ 360
F I R S D S G P T T S F E S A A C P G W

TTCCTGTGCACTGCTATGGAAGCTGACCAGCGGTAAAGCTGACCAACATGCCGGACGAA
361-----+-----+-----+-----+-----+-----+-----+-----+-----+ 420
F L C T A M E A D Q P V S L T N M P D E

GGCGTGATGGTAACCAAATTCTACTTCCAGGAAGACGAAGCTGCAGCTGAACCAAATCT
421-----+-----+-----+-----+-----+-----+-----+-----+-----+ 480
G V M V T K F Y F Q E D E A A A A E P K S

TCCGACAAAACACACATGCCAACCGTGCCAGCACCTGAACCTGGGGGACCGTCA
481-----+-----+-----+-----+-----+-----+-----+-----+-----+ 540
S D K T H T C P P C P A P E L L G G P S

GTCTTCCTCTCCCCCAAAACCAAGGACACCCCTCATGATCTCCCGGACCCCTGAGGTC
541-----+-----+-----+-----+-----+-----+-----+-----+-----+ 600
V F L F P P K P K D T L M I S R T P E V

ACATGCGTGGTGGTGGACGTGAGCCACGAAGACCCCTGAGGTCAAGTTCAACTGGTACGTG
601-----+-----+-----+-----+-----+-----+-----+-----+-----+ 660
T C V V V D V S H E D P E V K F N W Y V

GACGGCGTGGAGGTGCATAATGCCAAGACAAAGCCGCGGGAGGAGCAGTACAACAGCACG
661-----+-----+-----+-----+-----+-----+-----+-----+-----+ 720
D G V E V H N A K T K P R E E Q Y N S T

TACCGTGTGGTCAGCGTCCTCACCGTCCTGCACCAAGGACTGGCTGAATGGCAAGGAGTAC
721-----+-----+-----+-----+-----+-----+-----+-----+-----+ 780
Y R V V S V L T V L H Q D W L N G K E Y

```

FIGURE 21 (cont.)

AAGTGCAAGGTCTCCAACAAAGCCCTCCCAGCCCCATCGAGAAAACCATCTCAAAGCC
781 -----+-----+-----+-----+-----+-----+-----+ 840
K C K V S N K A L P A P I E K T I S K A

AAAGGGCAGCCCCGAGAACACAGGTGTACACCCTGCCCTGGATCCGGGATGAGCTGACC
841 -----+-----+-----+-----+-----+-----+-----+ 900
K G Q P R E P Q V Y T L P P S R D E L T

AAGAACCCAGGTCAGCCTGACCTGCCCTGGTCAAAGGTTCTATCCCAGCGACATGCCGTG
901 -----+-----+-----+-----+-----+-----+-----+ 960
K N Q V S L T C L V K G F Y P S D I A V

GAGTGGGAGAGCAATGGGCAGCCGGAGAACAACTACAAGACCACGCCCTCCGTGCTGGAC
961 -----+-----+-----+-----+-----+-----+-----+ 1020
E W E S N G Q P E N N Y K T T P P V L D

TCCGACGGCTCCTCTTCCTCTACAGCAAGCTCACCGTGGACAAGAGCAGGTGGCAGCAG
1021 -----+-----+-----+-----+-----+-----+-----+ 1080
S D G S F F L Y S K L T V D K S R W Q Q

GGGAACGTCTCTCATGCTCCGTGATGCATGAGGCTCTGCACAACCAACTACACGCAGAAG
1081 -----+-----+-----+-----+-----+-----+-----+ 1140
G N V F S C S V M H E A L H N H Y T Q K

AGCCTCTCGCTCAGCCCCGGTAAATAA (SEQ ID NO. 5)
1141 -----+-----+-----+-----+-----+-----+-----+ 1167
S L S L S P G K * (SEQ ID NO. 3)

Figure 22
sTNF-RI Sequence
2.6D/N105

5' -CATATGGACAGCGTTGCCCAAGGAAAATATCCACCCCTCAAATAATTGATTGC-
+-----+-----+-----+-----+-----+-----+-----+
M D S V C P Q G K Y I H P Q N N S I C C -

-TGTACCAAGTGCCACAAAGGAACCTACTTGTACAATGACTGTCCAGGCCGGGCAGGAT-
+-----+-----+-----+-----+-----+-----+
T K C H K G T Y L Y N D C P G P G Q D T -

-ACGGACTGCAGGGAGTGTGAGAGCGGCTCCTCACCGCTTCAGAAAACCACCTCAGACAC-
+-----+-----+-----+-----+-----+-----+
D C R E C E S G S F T A S E N H L R H C -

-TGCCTCAGCTGCTCCAAATGCCGAAAGGAAATGGGTCAAGGTGGAGATCTCTTGCACA-
+-----+-----+-----+-----+-----+-----+
L S C S K C R K E M G Q V E I S S C T V -

-GTGGACCGGGACACCGTGTGTTGCAGGAAGAACAGTACCGGCATTATTGGAGTGAA-
+-----+-----+-----+-----+-----+
D R D T V C G C R K N Q Y R H Y W S E N -

-AACCTTTCCAGTGCTCAATTAATAGGGATCC-3' (SEQ ID NO. 6)
+-----+-----+-----+-----+-----+
L F Q C F N * (SEQ ID NO. 4)

Figure 23
IL-1 RECEPTOR AMINO ACID SEQUENCE

1 mkvllrlicf iallisslea dkckereeki ilvssaneid vrpcplnpne hkgtitwykd
61 dsktpvsteq asrihqhkek lwfvpakved sghyycvvrn ssyclrikis akfvenepnl
121 cynaqaifkq klpvagdggl vcpymeffkn ennelpklqw ykdckpllld nihfsgvkdr
181 livmnvaekh rgnytchasy tylgkqypit rviefitlee nkptrpvivs panetmevdl
241 gsqiqlicnv tgqlsdiayw kwngsvided dpvlgedyys venpankrrs tlitvlnise
301 iesrfykhpf tcfa knthgi daayiqliyp vtnfqkhmig icvtltviiv csvfiykifk
361 idivlwyrds cydf lpi kas dgktydayil ypk tvgegst sdcdifvfkv lpevlekqcg
421 yklfiygrdd yvgedivevi nenvkksrrl iiilvretsg fswlggssee qiamynalvq
481 dgikvvlel ekiqdyekmp esikfikqkh gairwsgdft qgpqsaktrf wknvryhmpv
541 qrrspsskhq llspatkekl qreahvplg (SEQ ID NO. 7)

Figure 24
TNF RECEPTOR TYPE I AMINO ACID SEQUENCE

1 mglstvpdll lplvllellv giypsgvigl vphlgdrek dsvcpqgkyi hpqnnsicct
61 kchkgtlyn dcpgpgqdtc crecesgsft asenhlrhcl scskcrkemg qveissctvd
121 rdtvcgrkn qyrhywsenl fqcfncslcl ngtvhlsqe kqntvctcha gfflrenecv
181 scsnckksle ctklclpqie nvkgtedsgt tvllplviff glcllsslfi glmyryqrwk
241 sklysivcgk stpekegele gtttkplapn psfsptpgft ptlgfspvps stftssstyt
301 pgdcpnfaap rrevappyqq adpilatala sdpiplqlk wedsahkpqs ltdddpatly
361 avvenvpplr wkefvrrrlgl sdheidrlel qngrclreaq ysmlatwrrr tprreatlel
421 lgrvlrdmdl lgcledieea lcgpaalppa psllr (SEQ ID NO. 8)

FIGURE 25
TNF RECEPTOR TYPE II AMINO ACID SEQUENCE

1 mapvavwaal avglelwaaa halpaqvaft pyapepgstc rlreyydqta qmccskcspg
61 qhakvfctkt sdtvcdsced stytqlwnwv peclscgsrc ssdqvetqac treqnriic
121 rpgwycaalsk qegcrlcapl rkcrpgfgva rpgtetsdvv ckpcapgtfs nttsstdicr
181 phqicnvvai pgnasm davc tstsptrsma pgavhlpqpq strsqhtqpt pepstapsts
241 fllpmgpspp aegstgdfal pvglivgvta lglliigvvn cvimtqvkkk plclqreakv
301 phlpadkarg tqgpeqqhll itapssssss lessasaldr raptrnqpqa pgveasgag
361 arastgssds spgghgtqvn vtcivnvcss sdhssqcqq asstmgdtds spsespkdeq
421 vpfiskeecaf rsqletpetl lgsteekplp lgvpdagmfp s (SEQ ID NO. 9)

FIGURE 26
CD40 AMINO ACID SEQUENCE

1 mvrlplqcyl wgclltavhp epptacrekq ylinsqccsl cqpgqklvsd cteftetec
61 pcgesefldt wnrethchqh kycdpnlglr vqqkgtsetd tictceegwh ctseacescv
121 lhrscspgfg vkqiaticvsd ticepcpvgf fsnvssafek chpwtsctk dlvvqqagtn
181 ktdvvvcgpqd rrlralvvipi ifgilfaill vlvfikkvak kptnkaphpk qepqeinfpd
241 dlpgsntaap vqetlhgcqp vtqedgkesr isvqerg (SEQ ID NO. 10)

FIGURE 27
CD30 AMINO ACID SEQUENCE

1 mrvllaalgl lflgalrafp qdrpfedtch gnpshyydka vrrccyrcpm glfptqqcpq
61 rptdcrkqce pdyyldeadr ctacvtcsrd dlvektpcaw nssrvcecrp gmfcstsavn
121 scarcfhsv cpagmivkfp gtaqkntvce paspgvspac aspenckepr sgtipqakpt
181 pvspatssas tmpvrggtrt aqeaaskltr apdspssvgr pssdpplspt qpcpegsgdc
241 rkqcepdyyl deagrctacv scsrddlvek tpcawnssrt cecrpgmica tsatnscarc
301 vpypicaaet vtkpqdmaek dttfeapplg tqpdcnptpe ngeapastsp tqsllvdsqa
361 sktlpiptsavpalsstgkpvldagpvlfw vilvlvvvg ssafllchrr acrkrirqkl
421 hlcypqvtsq pklelvdsrp rrsstqlrsg asvtepvaee rglmsqplme tchsvgaayl
481 eslplqdasp aggpssprdl peprvsteht nnkiekiyim kadtvivgtv kaelpegrgl
541 agpaepelie eleadhtphy peqetepplg scsdvmlsve eegkedplpt aasgk
(SEQ ID NO. 11)

FIGURE 28
ICOS AMINO ACID SEQUENCE

1 mksqlwyffl fclrikvltg eingsanyem fifhnggvqi lckypdivqq fkmqllkggq
61 ilcdltktkg sgntvsiksl kfchsqlsnn svsfflynlid hshanyyfcn lsifdpppfk
121 vtltggylhi yesqlccqlk fwlpigcaaf vvvcilgcil icwlkkkys ssvhdpngey
181 mfmravntak ksrltdvtl (SEQ ID NO. 12)

FIGURE 29
CD28 AMINO ACID SEQUENCE

1 mlrllalnl fpsiqvtgnk ilvkqspmlv aydnnavnlsc kysynlfsre fraslhkgl
61 savevcvvyg nysqqlqvys ktgfnccdgkl gnesvtfylq nlyvnqtdiy fckievmypp
121 pyldneksng tihvkkgkh1 cpsplfpgps kpfwvlvvvg gvlacysllv tvafiifwvr
181 skrsrlhsd ymmmtprrrpg ptrkhyqpya pprdafaayrs (SEQ ID NO. 13)

FIGURE 30
OX40 AMINO ACID SEQUENCE

1 mcvgarrlgr gpc aallllg lglstvtqlh cvgdtypsnd rcchecrpgn gmvsr c srsq
61 ntvcrpcgpg fyndvvsskp ckpctwcnlr sgserkqlct atqdtvcrcr agtqpldsyk
121 pgvdcapcpp ghfspgdna q ckpwtnctla gkhtlqpasn ssdaicedrd ppatqpqetq
181 gppar pitvq pteawprtsq gpstrpvevp ggravaailg lglvlglgp laillalyll
241 rrdqr lppda hkppgggsfr tpiqeeqada hstlaki (SEQ ID NO. 14)

Figure 31
4-1-BB Amino Acid Sequence

1 mgnscyniva tlllvlnfer trslqdpcsn cpagtfcdnn rnqicspcpp nsfssaggqr
61 tcdicrqckg vfrtrkecss tsnaecdctp gfhclgagcs mceqdckqqq eltkkgckdc
121 cfgtfnndqkr gicrpwtncs ldgksvlvng tkerdvvcgp spadlspgas svtpapare
181 pghspqiisf flaltstall fllffltlrf svvkgrrkkl lyifkqpfmr pvqttqeendg
241 cscrfpeeee ggcel (SEQ ID NO. 15)

FIGURE 32
CD27 AMINO ACID SEQUENCE

1 marphpwwlc vlgtlvglsa tpapkscper hywaqgkllcc qmcepgtflv kdcdqhrkaa
61 qcdpcipgvs fspdhhtrph cescrhcnsg llvrnctita naecacrngw qcrdkectec
121 dplpnpslta rssqalsphp qpthlpvyse mleartaghm qtladfrqlp artlsthwpp
181 qrslcssdfi rilvifsgmf lvftlagalf lhqrrkyrsn kgespvepae pcryscpree
241 egstipiqed yrkpepacsp (SEQ ID NO. 16)

FIGURE 33
IL-18 RECEPTOR AMINO ACID SEQUENCE

1 mncrelpltl wvlisvstae sctsphity vegepfylkh cscslaheie tttkswykss
61 gsqehvelnp rsssrialhd cvlefwpvel ndtgsyffqm knytqkwln virrnkhscf
121 terqvtskiv evkkffqitc ensyyqtlvn stslyknckk llennknpt ikknaefedq
181 gyyscvhfhlh hnngklfnitk tfnitivedr snivpvllgp klnhvavelg knvrlncsal
241 lneedviyw fgeengsdpn iheekemrim tpeglwhask vlrienis nlnvlynctv
301 astggtdtks filvrkadma dipghvftrg miiavlilva vvclvtvcvi yrwdlvlfyr
361 hltrrrdetlt dgktydafvs ylkecrpeng eehtfaveil prvlekhfg y klciferdvv
421 pggavvdeih sliekssrrli ivlksymsn evryelesgl healverkik iiliefptvt
481 dftflpqslk llkshrvlkw kadkslsyns rfwknllylm paktvkpg rd epevlpvlse
541 s (SEQ ID NO. 17)

FIGURE 34
PD-1 AMINO ACID SEQUENCE

1 mqipqapwpv vwavlqlgwr pgwfldspdr pwnpptfspa llvvtegdna tftcsfsnts
61 esfvlnwym spsnqtdkla afpedrsqpg qdcfrfrvtql pngrdfhmsv vrarrndsgt
121 ylcgaislap kaqikeslra elrvterrae vptahpspsp rsaggfqtlv vgvvgglgs
181 lvllvwvlav icsraargti garrtggplk edpsavpvfs vdygeldorf rektpeppvp
241 cvpeqteyat ivfpstgmgts sparrgsadg prsaqplrpe dghcswpl (SEQ ID NO. 18)

FIGURE 35
RAT TNF RECEPTOR 1 AMINO ACID SEQUENCE

1 mglpivpgll lslvllallm gihpsgvtgl vpslgdrek r dnlpqgkya hpknnsicct
61 kchkgtylvs dcpspgqetv cevcdkgtft asqnhvraqcl scktcrkemf qveispckad
121 mdtvcgckkn qfqrylseth fqcvdcspcf ngtvtipcke kqntvcncha gfflsgnect
181 pcshckknqe cmklclppva nvtnpqdsqt avllplvifl glcllfici sllcrysdpqr
241 prvysiicrd sapvkevege givtkpltpa sipafspnpg fnptlgfstt prfshpvsst
301 pispvfgpsn whnfvpvvre vvptqgadpl lygslnpvp i papvrkwedv vaaqpqrldt
361 adpamlyavv dgvppttrwke fmrlglseh eierlelqng rclreahysm leawrrrtpr
421 heatldvvgr vlcdmnrlrgc leniretles pahsstthlp r (SEQ ID NO. 21)

FIGURE 36
MURINE CTLA4 AMINO ACID SEQUENCE

1 maclgllrryk aqlqlpsrtw pfvalltllf ipvfseaiqv tqpsvvlass hgvasfpcey
61 spshntdevr vtvrlrqtnndq mtevcattft ekntvgfldy pfcsgtfnes rvnltiqqlr
121 avdtglylck velmypppyf vgmngntqiy vidpepcpds dfllwilvav slglffysfl
181 vsavslskml kkrsphttgv yvkmpptepe cekqfqpyfi pin (SEQ ID NO. 19)

FIGURE 37
TACI AMINO ACID SEQUENCE

1 ms glqrsrrg grs rvdq eer fp qglwtgva mrs cpe eqyw dpl lg tcm sc kt i cnh q s qr
61 tca aafcrs ls crke qgkfyd hll rdci s ca sic gqhp kqc ayfc enkl rs pvn lpp el rr
121 qrs geven ns dns gryq g le hrg seaspal pgl kls adqv al vystl glc lcav lcc flv
181 avac flkk rg dp csc qpr sr prqspak ssq dhameag spv st s p e p vetc sfc fpecrap
241 t qesavt pgt pdptc agrw g chrt tvl qp cphipd sglg iv cvpaq egg pga
(SEQ ID NO. 27)